

FUEL CELL

5

ABSTRACT OF THE DISCLOSURE

10 A fuel cell, comprising a fuel cell element
comprising a solid electrolyte layer of oxygen ion
conduction type which is interposed between a cathode
layer and an anode layer. The cathode layer and the anode
layer are exposed to a mixed gas of a fuel gas, such as
methane or others, and oxygen, to cause an oxidation-
reduction reaction between the fuel gas and the oxygen,
15 by means of the cell element, to generate an
electromotive force. The anode layer is mainly composed
of a metal which is oxidation-resistant against the mixed
fuel at the operating temperature of the fuel cell
element, or a ceramic having an electro-conductivity. The
20 anode layer is further blended with a metal or an oxide
thereof, selected from a group of rhodium, platinum,
ruthenium, palladium, and iridium.